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(54) PACKET TRANSMISSION METHOD
CORRESPONDING TO CSMA/CD TYPE LAN

(57) Abstract:

PURPOSE: To improve the real time of communication between terminals by alteration-controlling the size of a packet in correspondence with the use frequency of a transmission line to transmit data.

CONSTITUTION: A signal on the transmission line 1 is received from transceivers 2-1 to 2-n through a LAN(Local Area Network) driver/receiver 11. A data start/termination detection part 22 detects the start time and the termination time of data transmitted from a data signal line 14 to the transmission line 1 and a data time operation part 23 obtains the transmission time of data within prescribed time on the transmission line 1 based on detection time. A packet size setting part 25 sets the packet size of the packet which a self machine transmits to be short when data transmission time is long, and to be long when data transmission time is short based on data transmission time. Transmission data of the self machine is assembled into the

packet in the set packet size and it is transmitted to LAN. Thus, the real time of communication between the terminals can be improved.

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